



# Brown Lake Hydrologic Restoration (CS-09)

## Project Status

**Approved Date:** 1993      **Cost:** \$3.2 million  
**Project Area:** 2,794 acres      **Status:** Engineering and Design  
**Net Benefit After 20 Years:** 282 acres  
**Project Type:** Hydrologic Restoration

## Location

This project is located in Cameron and Calcasieu parishes, approximately 3 miles north of Hackberry, Louisiana.

## Problems

Saltwater intrusion from the Calcasieu Ship Channel and increased tidal amplitudes have caused 90 % of the marsh in this system to be lost.

## Restoration Strategy

This project will restore, to the extent possible, the altered hydrology of approximately 2,800 acres of wetlands in the area of Brown Lake. This project consists of the installation of two water control structures, two freshwater introduction structures, the rehabilitation or construction of approximately 30,000 linear feet of boundary levees, and 20,500 linear feet of terraces and associated vegetative plantings.

## Progress to Date

This project is being coordinated with the U.S. Army Corps of Engineers dredging program. Several pipeline-related issues have caused delays, but these issues have been resolved. Current issues to be addressed include the transfer of permits, the effects of Crab Gully, and the operations agreements. Contract advertisement has been delayed until these issues are resolved.

This project is on Priority Project List 2.



In order to prevent wind generated wave erosion from destroying the freshly added spoil, vegetation is planted to get a head start on providing cover for the fragile soil.

*For more project information, please contact:*








**Federal Sponsor:**  
 Natural Resources Conservation Service  
 Alexandria, LA  
 (318) 473-7756



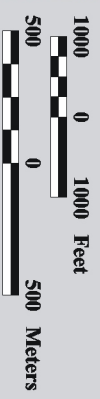
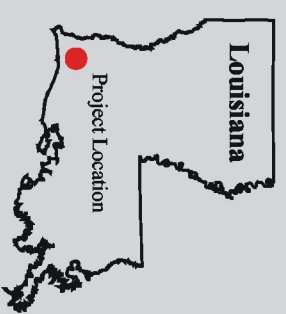
**Local Sponsor:**  
 Louisiana Department of Natural Resources  
 Baton Rouge, LA  
 (225) 342-7308



# Brown Lake Hydrologic Restoration (CS-09)

-  Water Control Structure \*
-  Weir \*
-  Containment Dike \*
-  Terrace \*
-  Project Boundary
- \* denotes proposed features

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Map Produced By:  
U.S. Department of the Interior  
U.S. Geological Survey  
National Wetlands Research Center  
Coastal Restoration Field Station

Background Imagery:  
Color Infrared Aerial Photography 2002  
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